

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 077 199 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
09.01.2002 Bulletin 2002/02

(51) Int Cl.7: **C01F 11/02, C09C 1/02,
C08K 3/22**

(43) Date of publication A2:
21.02.2001 Bulletin 2001/08

(21) Application number: **00307092.7**

(22) Date of filing: **18.08.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **19.08.1999 JP 23230899**
04.07.2000 JP 2000201733

(71) Applicant: **KABUSHIKI KAISHA KAISUI KAGAKU
KENKYUJO**
Kitakyushu-shi, Fukuoka-ken (JP)

(72) Inventor: **Miyata, Shigeo,**
K.K.Kaisui Kagaku Kenkyujo
Kitakyushu-shi, Fukuoka-ken (JP)

(74) Representative: **Woods, Geoffrey Corlett**
J.A. KEMP & CO. Gray's Inn 14 South Square
London WC1R 5JJ (GB)

(54) **Calcium hydroxide and process for the production thereof**

(57) Calcium hydroxide having an average secondary particle diameter at a cumulative percentage of 50 % by number in a particle size distribution of 2.0 μm or

less and a BET specific surface area of from 7 to 20 m^2/g and which is surface-treated with from 0.1 to 10 % by weight of an anionic surfactant, its production process and its use in a resin composition.

EP 1 077 199 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 30 7092

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 653 795 A (BROWN ALAN J) 5 August 1997 (1997-08-05) * column 2, line 66 - column 3, line 40; claims 1,2,7 *	1-4,9,10	C01F11/02 C09C1/02 C08K3/22
X	US 3 926 873 A (AISHIMA ITSUHO ET AL) 16 December 1975 (1975-12-16) * claims 1-4,31,32; table 3 *	1-5,9,10	
A	WO 97 10309 A (ECC INT LTD ;BOWN RICHARD (GB); SKUSE DAVID ROBERT (GB)) 20 March 1997 (1997-03-20) * page 8, paragraph 2; claims *	1-4,9,10	
A	US 5 492 685 A (MORAN DAVID L ET AL) 20 February 1996 (1996-02-20) * the whole document *	1-10	
A	EP 0 614 948 A (ECC INT LTD) 14 September 1994 (1994-09-14) * claim 1 *	1-4,9,10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			C01F C09C C08K
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16 November 2001	Examiner ZaIm, W
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPC FORM 1545 (11-92) (P/4x2011)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 30 7092

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

16-11-2001

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5653795	A	05-08-1997	AU 5376396 A	30-10-1996
			WO 9632449 A1	17-10-1996
US 3926873	A	16-12-1975	JP 892693 C	24-12-1977
			JP 48101436 A	20-12-1973
			JP 51003342 B	02-02-1976
			JP 915696 C	21-07-1978
			JP 49001656 A	09-01-1974
			JP 50035545 B	17-11-1975
			JP 824964 C	16-08-1976
			JP 48072097 A	28-09-1973
			JP 51001239 B	14-01-1976
			JP 824965 C	16-08-1976
			JP 48067195 A	13-09-1973
			JP 51001240 B	14-01-1976
			JP 826814 C	31-08-1976
			JP 48067199 A	13-09-1973
			JP 50040399 B	24-12-1975
			JP 885870 C	12-10-1977
			JP 48067339 A	14-09-1973
			JP 51011653 B	13-04-1976
			JP 824966 C	16-08-1976
			JP 48067340 A	14-09-1973
			JP 51000983 B	13-01-1976
			JP 901642 C	15-03-1978
			JP 49060343 A	12-06-1974
			JP 52032381 B	20-08-1977
			BE 792985 A1	16-04-1973
			CA 1009784 A1	03-05-1977
			DE 2262126 A1	05-07-1973
			FR 2169832 A1	14-09-1973
			GB 1416340 A	03-12-1975
			IT 974740 B	10-07-1974
			NL 7217207 A , B,	22-06-1973
WO 9710309	A	20-03-1997	AU 697589 B2	08-10-1998
			AU 6939096 A	01-04-1997
			BR 9610318 A	06-07-1999
			CA 2231689 A1	20-03-1997
			EP 0850283 A1	01-07-1998
			WO 9710309 A1	20-03-1997
			JP 11512338 T	26-10-1999
			NO 981049 A	12-05-1998
			US 6003795 A	21-12-1999
			AU 700268 B2	24-12-1998
			AU 6938996 A	01-04-1997

EPO FORM P0453

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 30 7092

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

16-11-2001

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9710309	A		CA 2231688 A1	20-03-1997
			DE 69610990 D1	21-12-2000
			EP 0850282 A1	01-07-1998
			WO 9710308 A1	20-03-1997
			JP 11514912 T	21-12-1999
			NO 981048 A	12-05-1998
			US 6087404 A	11-07-2000
US 5492685	A	20-02-1996	US 5223239 A	29-06-1993
			AU 8409891 A	18-02-1992
			CA 2087173 A1	25-01-1992
			EP 0559650 A1	15-09-1993
			WO 9201627 A1	06-02-1992
EP 0614948	A	14-09-1994	GB 2275876 A	14-09-1994
			AT 183536 T	15-09-1999
			BR 9401138 A	25-10-1994
			DE 69420064 D1	23-09-1999
			DE 69420064 T2	09-12-1999
			DK 614948 T3	07-02-2000
			EP 0614948 A1	14-09-1994
			EP 0857763 A1	12-08-1998
			FI 941168 A	13-09-1994
			JP 6322289 A	22-11-1994
			KR 245762 B1	02-03-2000
			NO 940820 A	13-09-1994
			US 5533679 A	09-07-1996

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82